

Transactions

of the

ASME

SOCIETY RECORDS

(Including Indexes to Publications for 1951)

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Sheffield.....Sheffield Public Libraries

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Karlsruhe.....Bucherei der Technischen Hochschule
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Stuttgart.....Bucherei der Technischen Hochschule

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Uppsala.....University of Uppsala

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Cardiff.....Cardiff Public Library

Indexes to ASME Papers and Publications

THIS and the following pages will serve as a guide to the current publications of the ASME.

Regular Society Publications, 1951

Mechanical Engineering, monthly (see index on page SR-63)
ASME Transactions, monthly (see index on page SR-83)
Journal of Applied Mechanics, quarterly (see index on page SR-91)
ASME Mechanical Catalog and Directory, 1952 edition.
Applied Mechanics Reviews, monthly.

Publications Issued in 1951

1950 ASME Transactions (bound form)
 Ten-Year Index to ASME Technical Papers
 Progress in Diesels
 Gas Turbine Plant Heat Exchangers
 1949 Oil and Gas Power Cost Report
 Classified Guide to F. W. Taylor Collection
 Definitions of Occupational Specialties in Engineering
 Glossary of Terms in Nuclear Science and Technology
 Section VII Instrumentation
 Section VIII Isotopes Separation
 Section IX Metallurgy
 Principles of Optimizing Control Systems
 Standards and Safety Codes
 1951 Addenda to Low-Pressure Heating Boiler Code, Power Boiler Code, Welding Qualifications, Materials Specifications, and to the 1950 Unfired Pressure Vessel Code
 Code for Pressure Piping
 Inspection of Fine-Pitch Gears
 Drill Drivers
 Steel-Butt Welding Fittings
 Malleable Iron Screwed Fittings, 300 Lb
 Screw Thread Gages and Gaging
 Unified and American Screw Thread Standard, 3rd Edition

How to Find Papers Presented at 1951 ASME Meetings

THE technical programs of the meetings of the Society and of its Professional Divisions have been published in *Mechanical Engineering* and may be located by consulting the index on pages SR-63 to SR-81. A majority of these papers were published, or will be published, in *Mechanical Engineering* or the *Transactions* (including the *Journal of Applied Mechanics*) and may be located by reference to the indexes of these publications.

Publications Developed by the Technical Committees

THE Society's technical committees, the first of which was organized many years ago and all of which have been continuously at work on codes, standards, research, and other special reports, have developed a series of publications of permanent value to the membership. The following list is presented here for record and for ready reference. This list covers the works of these committees together with dates of publications and prices. A discount of 20 per cent is allowed to ASME members on all publications except where otherwise noted.

ASME AMERICAN STANDARDS

BOLT, NUT, AND RIVET PROPORTIONS

Large Rivets (B18.4—1950), \$0.80
 Flow Bolts (B18.9—1950), \$0.55
 Round Unslotted-Head Bolts (B18.5—1939), \$0.60
 Socket-Head Cap Screws and Socket-Set Screws (B18.3—1947), \$0.60
 Slotted-and-Recessed-Head Screws (B18.6—1947), \$1.00
 Small Rivets (B18a—1927 with 1942 Addendum), \$0.40
 Tinner's, Coopers', and Bolt Rivets (B18g—1928, with 1942 Addendum), \$0.45
 Track Bolts and Nuts (B18d—1930), \$0.50
 Wrench-Head Bolts and Nuts and Wrench Openings (B18.2—1941), \$0.80
 High-Strength, High-Temperature Internal Wrenching Bolts (B18.18—1950), \$0.35

GEAR DESIGN, DIMENSIONS, AND INSPECTION

Design for Fine-Pitch Worm Gearing (B6.9—1950), \$1.50
 Fine-Pitch Straight Bevel Gears (B6.8—1950), \$1.00
 Gear Nomenclature (B6.10—1950), \$1.50
 Inspection of Fine-Pitch Gears (B6.11—1951), \$2.50
 Gear Tolerances and Inspection (B6.6—1946), \$0.80
 Letter Symbols for Gear Engineering (B6.5—1949), \$0.30
 Spur Gear Tooth Form (B6.1—1932), \$0.55
 20-Degree Involute Fine-Pitch System for Spur and Helical Gears (B6.7—1950), \$1.50

PIPING AND PIPE FITTINGS

Air Caps and Backflow Preventers in Plumbing Systems (A40.4—1942 and A40.6—1943), \$0.55
 Brass Fittings for Flared Copper Tubes (A40.2—1936), \$0.45
 Bronze or Brass Screwed Fittings for 125 Lb (B16.15—1947), \$0.65
 Bronze or Brass Screwed Fittings for 250 Lb (B16.17—1949), \$0.35
 Cast Brass Solder-Joint Fittings (B16.18—1950), \$0.75
 Cast-Iron Pipe Flanges and Flanged Fittings for 25 Lb Maximum Saturated Steam Pressure (B16b2—1947), \$0.50
 Cast-Iron Pipe Flanges and Flanged Fittings Class 125 (B16a—1948), \$0.65
 Cast-Iron Pipe Flanges and Flanged Fittings Class 250 (B16b—1944), \$0.55
 Cast-Iron Pipe Flanges and Flanged Fittings for Refrigerant Piping, Class 300 (B16.16—1948), \$0.45
 Cast-Iron Pipe Flanges and Flanged Fittings for 800 Lb Maximum Hydraulic Pressure (B16b1—1947), \$0.45
 Cast-Iron Soil Pipe and Fittings (A40.1—1935), \$0.80
 Cast-Iron Long Turn Sprinkler Fittings for 150 and 250 Lb Maximum Saturated Steam Pressure and Addendum (B16g—1947), \$0.60
 Cast-Iron Screwed Fittings for 125 and 250 Lb Maximum Saturated Steam Pressure (B16.4—1949), \$0.60
 Cast-Iron Screwed Drainage Fittings (B16.12—1942), \$0.55
 Code for Pressure Piping (B31.1—1951), \$3.50
 Face-to-Face Dimensions of Ferrous Flanged and Welding End Valves (B16.10—1939), \$0.65
 Ferrous Plugs, Bushings, Lock Nuts, and Caps (B16.14—1949), \$0.50
 Malleable-Iron Screwed Fittings, 300 Lb (B16.19—1951), \$0.60
 Pipe Threads (B2.1—1945), \$1.50
 Plumbing Code (P40.7—1949), \$2.50
 Scheme for the Identification of Piping Systems (A13—1947), \$0.60
 Steel Pipe Flanges and Flanged Fittings for 150 to 2500 Lb Maximum Steam Service Pressure (B16e—1939), \$1.50
 Supplement No. 1 to the 1939 Standard on Steel Pipe Flanges and Flanged Fittings (B16E6—1949), \$0.40
 Stainless Steel Pipe (B36.19—1949), \$0.30
 Steel Butt-Welding Fittings (B16.9—1951), \$0.75
 Steel-Socket Welding Fittings (B16.11—1946), \$0.60
 Threaded Cast-Iron Pipe for Drainage, Vent, and Waste Services (A40.5—1943), \$0.30
 Wrought-Iron and Wrought-Steel Pipe (B36.10—1950), \$0.65

LETTER AND GRAPHICAL SYMBOLS AND CHARTS

- Abbreviations for Scientific and Engineering Terms (Z10.1—1941), \$0.45
 Abbreviations for Use on Drawings (Z32.13—1950), \$1.00
 Drawings and Drafting-Room Practice (Z14.1—1946), \$1.50
 Engineering and Scientific Charts for Lantern Slides (Z15.1—1947), \$0.60
 Engineering and Scientific Graphs for Publications (Z15.3—1947), \$0.90
 Time Series Charts (Z15.2—1947), \$1.50
 Graphical Symbols for Welding and Instructions for Their Use (Z32.2.1—1949), \$0.50
 Graphical Symbols for Plumbing (Z32.2.2—1949), \$0.40
 Graphical Symbols for Pipe Fittings, Valves, and Piping (Z32.2.3—1949), \$0.40
 Graphical Symbols for Heating, Ventilating, and Air Conditioning (Z32.2.4—1949), \$0.40
 Graphical Symbols for Railway Use (Z32.2.5—1950), \$0.75
 Graphical Symbols for Heat—Power Apparatus (Z32.2.6—1950), \$0.35
 Letter Symbols for Hydraulics (Z10.2—1942), \$0.45
 Letter Symbols for Mechanics of Solid Bodies (Z10.3—1948), \$0.30
 Letter Symbols for Heat and Thermodynamics (Z10.4—1943), \$0.65
 Letter Symbols for Physics (Z10.6—1948), \$1.00
 Letter Symbols for Aeronautical Sciences (Z10.7—1950), \$1.25
 Letter Symbols for Structural Analysis (Z10.8—1949), \$0.35

STANDARDS—MISCELLANY

- Indicating Pressure and Vacuum Gages (B40.1—1947), \$0.50
 Preferred Thickness for Uncoated Thin Flat Metals (Under 250 Inch), (B32.1—1941), \$0.30
 Plant Layout Templates and Models (1949), \$0.40
 Preferred Standards for Large 3600-RPM 3-Phase 60-Cycle Condensing Steam Turbine Generators and Standard Specification Data for the Generators (1950), \$0.60
 Operation and Flow Process Charts (1947), \$0.75
 Self-Appraisal Form for Use of Industrial Plants (1947), \$0.75
 Shaft Couplings (B49—1947), \$0.45
 Lock Washers (B27.1—1950), \$0.75
 Plain Washers (B27.2—1949), \$0.25
 Surface Roughness, Waviness, and Lay (B46.1—1947), \$0.45

SMALL TOOLS AND MACHINE-TOOL ELEMENTS

- Machine Tapers (B5.10—1943), \$0.75
 Milling Cutters (B5.3—1950), \$2.25
 Nomenclature for Milling Cutter Teeth (B5c1—1947), \$0.70
 Reamers (B5.14—1949), \$1.00
 Taps—Cut and Ground Threads (B5.4—1948), \$1.50
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 Adjustable Adapters (B5.11—1937), \$0.60
 Chucks and Chuck Jaws (B5.8—1936), \$0.55
 Circular and Dovetailed Forming Tool Blanks and Holding Elements (B5.7—1948), \$0.60
 Involute Serrations (B5.26—1950), \$1.00
 Involute Splines (B5.15—1950), \$1.00
 Jig Bushings (B5.6—1941), \$0.45
 Life Tests of Single Point Tools (B5—1946), \$0.55
 Machine Pins (B5.20—1947), \$0.45
 Markings for Grinding Wheels (B5.17—1949), \$0.30
 Punch and Die Sets for Two-Post, Punch Press Tools (B5.25—1950), \$0.75
 Rotating Air Cylinders and Adapters (B5.5—1932), \$0.45
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 Spindle Noses and Arbors for Milling Machines (B5.18—1943), \$0.30
 Spindle Noses for Toolroom Lathes (B5.9—1948), \$0.85
 Straight Cut-Off Blanks for Lathes and Screw Machines (B5.21—1949), \$0.30
 T-Slots, Their Bolts, Nuts, Tongues, and Cutters (B5.1—1949), \$0.45
 Twist Drills (B5.12—1950), \$0.75
 Code for Design of Transmission Shafting (B17c—1947), \$0.90
 Woodruff Keys, Keyslots, and Cutters (B17f—1947), \$0.45

SCREW THREADS AND THREADING TOOLS

- Fire Hose Coupling Screw Thread (B26—1947), \$0.30
 Hose Coupling Screw Threads (B33.1—1947), \$0.30
 Rolled Threads for Screw Shells of Electric Sockets and Lamp Bases (C44—1946), \$0.45
 Unified and American Screw Threads, 3rd Edition (B1.1—1949), \$3.00

- Nomenclature, Definitions and Letter Symbols for Screw Threads (B1.7—1949), \$0.50
 Screw Thread Gages and Gaging (B1.2—1951), \$4.00
 Acme and Other Translating Threads (B1.3—1941), \$0.55
 Screw Threads for High-Strength Bolting (B1.4—1945), \$0.30
 Limits and Fits in Engineering and Manufacturing (B4.1—1947), \$0.30

BOILER CONSTRUCTION CODE

- 1949 Editions
 Boilers of Locomotives, \$1.00
 Low-Pressure Heating Boiler Code with 1950—1951 Addenda, \$1.00
 Miniature Boiler Code, \$0.75
 Power Boiler Code with 1950—1951 Addenda, \$2.75
 Material Specifications with 1950—1951 Addenda, \$5.00
 Suggested Rules for Power Boilers, \$1.25
 Unfired Pressure Vessel Code, \$2.25
 Welding Qualifications, with 1950—1951 Addenda, \$0.90
 1950 Unfired Pressure Vessel Code with 1950—1951 Addenda, \$3.00
 Boiler Code Interpretation Service, \$5.00 annually

POWER TEST CODES AND AUXILIARY SECTIONS

TEST CODES FOR

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 Centrifugal, Mixed-Flow and Axial-Flow Compressors and Exhaustors (1949), \$1.50
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INSTRUMENTS AND APPARATUS

- General Instructions (1945), \$0.55
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 Chapter 1, Barometers; Chapter 6, Tables, Multipliers, and Standards (1941), \$0.75
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